

Welcome to the latest edition of the SDPB Education Update Newsletter.

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2. Arts and Culture
3. Health, Wellness and Fitness
4. Language Arts
5. Math
6. Science and Technology
7. Social Studies

1. [SDPB Television Schedules/ Children's Schedule/ SDPB Radio Schedules/ SDPB Video Player](#)

Special Event:

Visual Arts

March 14-16

Rapid City

Photos at SDPB.org/visualarts.

2. Arts and Culture

Online Resources:

Using Cardboard and a Stapler to Make Sculptures

[Video/](#) Grades: K-12

For more than a decade, cardboard has been Ann Weber's material of choice. It's lightweight, plentiful, and free. Armed only with a stapler, Ann has transformed discarded boxes into large-scale sculptures with round, organic forms. Transitioning from ceramics to working with cardboard has given Ann the freedom to create on a monumental scale.

Pop Goes The Easel | The Electric Company

[Video/](#) Grades: K-Elementary

Learn about the vocabulary words landscape, series, canvas, and continuous with The Electric Company when friends are literally swept away into the art world. When Jessica and Danny get stuck in a magical painting, the Electric Company needs to work with the mysterious artist to get their friends back into the real world.

St. Patrick's Day Crafts and More

[Crafts/ About/ Photos/ Food/](#) Grades: PreK-Elementary

Leprechaun hats, shamrock shakers and more.

3. Health, Wellness and Fitness

Online Resources:

Suicide Prevention: How Can Schools Help? | Above the Noise

[Video/](#) Grades: 6-12

No one wants to talk about it, but suicide is a leading cause of death among teens. The good news is, schools are uniquely positioned to help. Student reporters from PBS NewsHour Student Reporting Labs investigate what schools can do.

Keep Your Body in Motion (Learn the Difference between Strength, Endurance, and Power)

[Information/](#) Grades: 6-12

Learn the difference between strength, endurance, and power in this self-paced lesson for students to enjoy on their own. Find out how body fat impacts both fitness and health.

Arthur: Exercise and Eating Right

[Video/](#) Grades: PreK-Elementary

When Arthur doesn't fit into his costume for the play, he's shocked to learn that he's become "husky-sized." Now he's serious about getting in shape. Will he turn to an all-protein diet? Eat only herbs and berries? Or will he try something really radical... like exercise?!

4. Language Arts

Online Resources:

Shakespeare Uncovered

[Collection](#)/ Grades: MS-HS

Shakespeare Uncovered combines history, biography, iconic performances, new analysis, and the personal passions of its celebrated hosts to tell the stories behind the stories of Shakespeare's greatest plays.

Remaster the Golden Record

[Lesson](#)/ Grades: Upper Elementary-HS

Nearly 40 years ago, two Voyager spacecraft left Earth. The craft carried golden records containing sounds and images portraying the diversity of life and culture on Earth. The Golden Record is an interstellar greeting and time capsule. Its intended recipient? Any intelligent extraterrestrial life form—or future human—who may find it. But that was 40 years ago. Culture and technology don't stand still. If humanity were to send another Golden Record to the stars today, what would it contain?

Limerick-Off (The Electric Company)

[Video](#)/ Grades: K-Elementary

Learn about the vocabulary words limerick, structure, distract, valid, and invalid with The Electric Company in the middle of a yearly literary competition. Jessica and Manny compete in the annual Limerick-Off

5. Math

Online Resources:

Roller Coaster Physics: STEM in Action

[Video and Lesson](#)/ Grades: 5-8

Use Knowledge of motion and energy to construct a roller coaster. Comment: "So much ELA and Math embedded in this lesson!"

Zip Line Zoo: Measuring Distance, Angles, Slope

[Lesson Plan](#)/ Grades: Elementary

You're building a stuffed-animal zip line by holding a cord against the wall, hooking a cute stuffed animal onto it, then letting the animal slide down as you time it.

Wild Kratts: Adding Up Animal Habitats

[Activity](#)/ [Related APP](#)/ Grade: PreK-Early Elementary

In this activity your child will practice basic math skills while exploring local habitats and the animals that live in them.

6. Science and Technology

SDPB TV:

One Carbon Footprint at a Time

SDPB TV, Saturday, March 16, 4:00am – 5:00am CT (Overnight Schedule – record late Friday night)

Education is often described as an important tool in designing solutions to environmental problems, but why don't we see more interest and investment in using education to respond to our greatest environmental threat - climate change? In One Carbon Footprint at a Time, documentary filmmaker Bob Gliner explores how a particularly successful climate change course offered at a west coast public university is affecting students' lives in unexpected ways. ([More](#))

NATURE: Charlie and the Curious Otters

SDPB TV, Wednesday, March 20, 7:00pm – 800pm CT

The elusive, playful, and adaptable otter has the distinction of having mastered both the aquatic and terrestrial worlds. They are equally adept at hunting underwater as they are foraging and chasing prey in a forest. But they are not easy to spot, despite the fact there are 13 different species on earth. Although they've been hunted for sport and fur and their numbers are down, not one species has become extinct. How otters are able to operate so successfully on both land and in water has fascinated wildlife filmmaker Charlie Hamilton James for years, so he decided to see what he could learn from studying several species around the world to discover their survival secrets. ([More](#))

Online Resources:

Hack a Solar Circuit

[Lesson Plan](#)/ Grades: 6-12

In this engineering activity, you'll reverse-engineer a solar circuit to build a simple, inexpensive, and lightweight device that is powered by the sun's light.

Space Food

[Video](#)/ Grades: Elementary-MS

The Alabama Public Television production team recently took a trip to NASA's Johnson Space Center to film for Mission Control: Human Spaceflight. While there, we stopped by the JSC Food Systems Laboratory to learn all about Space Food!

Creature Mobile (Animal Adaptations)

[Interactive Game](#)/ Grade: PreK-Elementary

Select special animal adaptations to win a race.

7. Social Studies

Online Resources:

The Impact of the Erie Canal on America

[Interactive](#)/ Grades: MS-HS

Students explore the story of the Erie Canal in this interactive lesson. They will learn how the creation of the Erie Canal represented a large-scale effort by people to change their environment to be more advantageous to them. This transportation waterway impacted American culture, economics, politics, and more. It set America on a path of destiny, from a fledgling nation to a worldwide superpower.

The Farm Worker Movement

[Video](#)/ Grades: 4-12

Farm workers play a crucial role in feeding the nation and ensuring the viability of commodities, yet they have suffered extremely poor working conditions for many years. Explore the early days of the United Farmworkers under the guidance of Cesar Chavez and Dolores Huerta. See the conditions that led to the organization of a farm labor union and the initial challenges to its work.

Antiques Roadshow: Show and Tell

[Video Lesson](#)/ Grade: PreK-Elementary

Structure show and tell time with an Antiques Roadshow.

Create a Campaign Poster, Learn about Voting, and More

[Activity](#)/ [Video](#)/ PreK-Elementary

Create a campaign poster, watch a video about voting, and learn about the President.

-Educational Taping Rights (1 year for most programs)
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